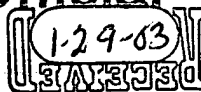


Official

PATENT APPLICATION
Do. No. 1420-2#12/c
m
2-11-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent application of: David William House

Serial No. 09/478,136

Group No. 2643

Filed: January 5, 2000

Examiner: D. Harvey

Title: COCHLEAR IMPLANTS WITH A STIMULUS IN THE HUMAN
ULTRASONIC RANGE AND METHOD FOR STIMULATING A
COCHLEAAssistant Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO OFFICE ACTION

Responsive to the Office Action, dated October 29, 2002, please amend the application
as follows:

IN THE CLAIMS

Sub
C1 DI

1. (Thrice Amended) A method for stimulating a human cochlea in response
to a sound, comprising:
generating an electrical sound signal in response to the sound;
generating an electrical analog carrier signal having a frequency greater than 20 kHz;
modulating the carrier signal with the sound signal to generate a modulated signal; and
applying the modulated signal to an electrode that is electrically coupled with the
cochlea such that the modulated signal is applied to the cochlea.

2. The method of claim 1, wherein modulating is by ^{AM}amplitude modulation.3. The method of claim 1, wherein modulating is by ^{FM}frequency modulation.4. The method of claim 1, wherein the electrical analog carrier signal has a
frequency of at least 32 kHz.

MARGER JOHNSON & McCOLLOM, PC
PROFESSIONAL CORPORATION

PATENTS TRADEMARKS COPYRIGHTS
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TO: Examiner D. Harvey
Group Art Unit 2643
U.S. Patent and Trademark Office

FAX: (703) 872-9314

FROM: Beth Nichols for James E. Harris

DATE: January 29, 2003

RE: Attorney Do. No. 1420-2

Number of pages (including this one): 9 pages

In case of error in transmission, call: (503) 222-3613

REMARKS:

In re application of: David William House

Serial No. 09/478,136

Filed: January 5, 2000

For: COCHLEAR IMPLANTS WITH A STIMULUS IN THE
HUMAN ULTRASONIC RANGE AND METHOD FOR
STIMULATING A COCHLEA

Please see attached Response to Office Action for the above invention.

NOTICE

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OfficialPATENT APPLICATION
Do. No. 1420-2**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent application of: David William House

Serial No. 09/478,136

Group No. 2643

Filed: January 5, 2000

Examiner: D. Harvey

Title: **COCHLEAR IMPLANTS WITH A STIMULUS IN THE HUMAN
ULTRASONIC RANGE AND METHOD FOR STIMULATING A COCHLEA**Box NON-FEE Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Responsive to the Office Action dated October 29, 2002, enclosed is an amendment in the above-identified application.

The fee has been calculated as shown below.

CLAIMS AS AMENDED					
For:	Number After Amendment	Previous Number	Extra	Rate	Additional Fee
Total Claims		12	0	x \$ 9 =	\$ 0
Independent Claims		2	0	x \$ 40 =	\$ 0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$ 0

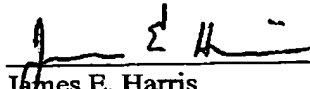
☒ Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

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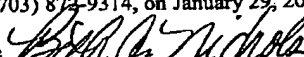
Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.


James E. Harris
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I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office via facsimile number (703) 872-9314, on January 29, 2003.

Signature


Beth A. Nichols